|          |  |          |   |    |            |          |              |                |       |          |          |          |           | 10/633,364     |                |          |              |          |             |             |          |  |             | CHWANG ET AL. |          |          |           |          |          |          |           |  |   |  |
|----------|--|----------|---|----|------------|----------|--------------|----------------|-------|----------|----------|----------|-----------|----------------|----------------|----------|--------------|----------|-------------|-------------|----------|--|-------------|---------------|----------|----------|-----------|----------|----------|----------|-----------|--|---|--|
| .        | Ex   |          |   |    |            |          |              |                |       |          |          |          |           | Examiner       |                |          |              |          |             |             |          |  | Art Unit    |               |          |          |           |          |          |          |           |  |   |  |
|          | 1844 184 845 845 845 845 845 845 845 845 845 8 |          |   |    |            |          |              |                |       |          |          |          |           |                | Karabi Guharay |          |              |          |             |             |          |  | 2879        |               |          |          |           |          |          |          |           |  |   |  |
|          | <b>V</b>                                       | Rejected |   |    |            |          |              | (Through numer |       |          |          |          |           | ral)           | )              | ]        | N Non-Ele    |          |             | ct          | ed       | ed   |             | Appeal        |          |          |           |          |          |          |           |  |   |  |
|          | =  | Allowed  |   |    |            | +        | + Restricted |                |       |          |          |          |           | I Interference |                |          | Ce           |          | A<br>0      | Objected    |          |  |             |               |          |          |           |          |          |          |           |  |   |  |
| Chaire   | <u> </u>                                       |          |   |    |            |          | 느            | Chie           |       |          |          |          |           | _              | _              | J<br>    |              |          |             |             |          | <u>.                                    </u> | Ц           |               |          |          |           |          | <u> </u> |          |           |  |   |  |
| Claim    | ╁  | Date     |   |    |            | Т        | Т            | ┨              | Claim |          |          | Т        | _         | Dat            | e<br>T         | П        | _            | $\dashv$ | ŀ           | _ <u>CI</u> | aim<br>I | Н  |             | _             | Dat<br>T | e        | _         | _        | -        |          |           |  |   |  |
| Final    | 12/9/04  |          |   |    |            |          |              |                |       | Final    | Original |          |           |                |                |          |              |          |             |             | İ        | Final  | Original    |               |          |          | .         |          |          |          |           |  |   |  |
| 16       | 7  | Н        | + | +  | ╀          | ╀        | -            | ╀              | ┨     | -        | 51       | ╀        | ╀         | ╀              | ┡              | ┞        | L            | Н        | _           | Н           | ŀ        |  |             | Ц             | 4        | ŀ        | ↓_        | L        |          | Ш        | _         |  |   |  |
| 2        | Ĭ  |          | 士 | t  | +          | 十        | H            | ╁              | 1     | $\vdash$ | 52       | ╁        | ╁         | ┢              | ┢              | ┝        | H            | H        | -           | Н           | ŀ        |  | 101<br>102  | $\vdash$      | +        | ╁        | ╀         | -        | H        | $\vdash$ | $\dashv$  |  |   |  |
| 3        | Ŋ  |          | 7 | Ţ  | T          | I        |              |                | 1     |          | 53       |          |           |                |                |          |              |          |             |             | İ        |  | 103         |               | 土        |          | T         |          | ŀ        | H        | $\exists$ |  |   |  |
| 5        | 1  | $\vdash$ | ╁ | ╀  | ╁          | ╀        | ╀            | ╀              | ┨     | $\vdash$ | 54<br>55 | ╀        | ⊢         | Ļ.             | L              | L        | Н            | -4       | _           | Н           | ŀ        |  | 104         |               | I        | Γ        | L         |          | П        | $\Box$   | $\Box$    |  |   |  |
| 6        | ĬŽ   | ⇈        | 1 | İ  | T          | t        |              | T              | 1     |          | 56       | 十        | H         | $\vdash$       | ŀ              | H        | Н            | ╌╂       | _           | Н           | ŀ        |  | 105<br>106  | $\dashv$      | +        | ╁        | 1         |          | Н        | ${f H}$  | $\dashv$  |  |   |  |
| 7        | ΙÝ   | П        | T | Ţ  | L          | Γ        | L            |                | 1     |          | 57       |          |           |                |                |          |              |          |             |             | L        |  | 107         |               |          | 士        | H         |          | Н        | H        | ᅥ         |  |   |  |
| 8        | 1  | ⊢        | + | ┿  | ╀          | ┾        | ┝            | ┝              | ┨     | <u> </u> | 58<br>59 | ╀        | ├         | -              |                | _        | Н            | $\dashv$ | _           | Н           | F        |  | 108         | $\Box$        | Ŧ        | F        | _         | П        | П        |          |           |  | • |  |
| 10       | Ž  |          |   | t  | T          | +        | H            | t              | 1     | <b> </b> | 60       | H        | ╁╴        | ┝              |                | -        | Н            | $\dashv$ | -           | H           | ŀ        | -  | 109<br>110  | -+            | ╅        | ╁        | ┼╌        | Н        | Н        | $\vdash$ | 4         |  |   |  |
| 11       | Ą  | Ц        |   | Ţ  | L          |          |              | L              | 1     |          | 61       |          |           |                |                |          |              |          |             |             | L        |  | 111         | 士             | 士        | $\perp$  |           | Н        |          |          | ┪         |  |   |  |
| 12       | ¥  | Н        | ╬ | ╫  | ╀          | ┿        | ┝            | ⊢              | l     | -        | 62<br>63 | ╀        | L         | ┝              | L,             | _        | Н            | $\dashv$ | 4           | Н           | F        |  | 112         | $\dashv$      | 4        | Г        |           | П        |          | $\Box$   | $\Box$    |  |   |  |
| 14       | V  |          | 土 | 土  |            | İ        |              | T              | 1     |          | 64       | t        | -         |                | Н              | _        | Н            | $\dashv$ | ᅱ           | Н           | ╟        | -  | 113<br>114  | $\dashv$      | +        | ╀        | $\vdash$  | Н        | $\dashv$ | $\dashv$ | ┥         |  | • |  |
| 15       | 1  |          | # | F  | Г          | Г        | lacksquare   |                | •     |          | 65       | 匚        |           |                |                |          |              | 耳        |             |             |          |  | 115         |               |          | 上        | 匸         |          |          |          | $\exists$ |  |   |  |
| 16<br>17 | ママ   | $\vdash$ | ╫ | ╁  | ╁          | ╁        | ┝            | ⊢              | l     | <u> </u> | 66<br>67 | ┝        | ┝         | $\vdash$       | Н              | Н        | Н            | $\dashv$ | 4           | -           | ┝        | _  | 116<br>117  | 4             | 4        | $\vdash$ | Ц         |          |          |          | 4         |  |   |  |
| 18       | <b>√</b>                                       |          | 土 | İ  |            |          |              |                |       |          | 68       | ┢        |           | -              | Н              | -        | Н            | +        | ┪           | $\dashv$    | ┢        |  | 118         | ┪             | ╁        | ┢        | Н         | Н        | $\dashv$ | $\dashv$ | $\dashv$  |  |   |  |
| 19<br>20 | 7  | 4        | 4 | ╀  | lacksquare | _        | _            | L              |       |          | 69       |          | ${\sf L}$ |                |                |          |              | $\Box$   |             |             |          |  | 119         | コ             |          | 上        |           |          |          |          | ゴ         |  |   |  |
| 21       | <  | $\dashv$ | + | ╁╴ | ╁          | ╁╴       | Н            | ├              |       | <u> </u> | 70<br>71 | -        | _         | -              | Н              | Н        | $\dashv$     | -        | 4           | $\dashv$    | ┝        |  | 120<br>121  | 4             | -        | ╄        | П         |          |          | $\dashv$ | 4         |  |   |  |
| 22       | 1  | 1        | 土 | L  | L          |          |              |                |       |          | 72       | H        |           |                |                | $\vdash$ | $\dashv$     | ┪        | 7           | Ť           | 上        |  | 122         | ╅             | +        | 十        | Н         | Н        | $\dashv$ | $\dashv$ | ᅱ         |  |   |  |
| 23<br>24 | <u> </u>                                       | -        | + | ╀  | ╀          | ╀        | L            | L              |       | _        | 73       |          |           |                |                |          | $\Box$       | $\Box$   | $\Box$      | $\exists$   | F        |  | 123         | $\Box$        |          |          |           |          |          |          | ╛         |  |   |  |
| 25       | 7  | +        | ╁ | ╁╴ | ┝          | -        | H            |                |       |          | 74<br>75 | H        | _         |                | -              | -        | $\dashv$     | +        | +           | $\dashv$    | H        | -  | 124<br>125  | +             | 4-       | ╀        | Н         |          | $\dashv$ | 4        | 4         |  |   |  |
| 25       | V  | ユ        |   |    |            |          |              |                |       |          | 76       |          |           |                |                |          |              | ╛        | 1           | _           | 上        | $\dashv$                                     | 126         | 十             | +        | ┢        | H         | $\vdash$ | $\dashv$ | -+       | -         |  |   |  |
| 27       | 44   | +        | + | ╀  | ┡          | ┺        | Щ            | L              |       |          | 77       | L        |           |                | Ц              |          |              | $\Box$   | $\sqsupset$ |             |          |  | 127         | $\Box$        |          |          |           |          |          | 1        | J         |  |   |  |
| 29       | Ž  | $\dashv$ | + | ╁  | ┢          | H        | Н            | $\vdash$       |       | <b> </b> | 78<br>79 | -        | Н         | -              | $\dashv$       | $\dashv$ | -            | +        | -           | $\dashv$    | $\vdash$ | $\dashv$                                     | 128<br>129  | -             | +-       |          | Н         | $\dashv$ | -        | -        | 4         |  |   |  |
| 30       | V  | 二        |   |    |            |          |              |                |       |          | 80       |          |           |                |                |          |              | _        | 1           | ┪           | H        | _  | 130         | +             | ╁        | 一        | Н         |          | +        | +        | $\dashv$  |  |   |  |
| 31       | ママ   | +        | + | ╂— | ⊢          | H        | Н            | H              |       | Ш        | 81       | П        |           |                |                | $\Box$   | $\Box$       | 7        | $\exists$   |             |          | $\Box$                                       | 131         | 1             |          |          |           |          |          |          | ゴ         |  |   |  |
| 83       |  | ╪        | # | ╪═ | H          |          | =            | H              |       | $\vdash$ | 82<br>83 |          | -         | $\dashv$       | -              | $\dashv$ | -+           | +        | +           | -           | ┝        |  | 132<br>133  | +             | 4-       | -        | Н         | $\dashv$ | 4        | +        | 4         |  |   |  |
| 34       |  |          | I |    |            |          |              |                |       |          | 84       |          |           |                |                |          | _            | 1        | 寸           | ᅱ           | H        | _  | 134         | +             | ╁        | ┢        | Н         | $\dashv$ | ╛        | +        | 4         |  |   |  |
| 35<br>36 | $\vdash$                                       |          | + | ╄  | L          | Ц        |              |                |       |          | 85       |          |           | $\Box$         | $\Box$         | $\Box$   | $\Box$       | $\bot$   | I           |             |          |  | 135         |               | 上        |          |           |          | I        |          |           |  |   |  |
| 37       | ┝┤   | +        | ┿ | +  | H          | Н        | $\dashv$     | Н              |       | -        | 86<br>87 | Н        | $\dashv$  | ┥              | -              | $\dashv$ | $\dashv$     | +        | +           | -           | $\vdash$ |  | 136<br>137  | 4             | +        | H        | $\square$ | 4        | 4        | 4        | 4         |  |   |  |
| 38       |  |          | 工 |    |            |          |              |                |       |          | 88       |          |           | $\exists$      |                |          | 1            | $\top$   | +           | $\exists$   | -        | +  | 138         | +             | +        | H        | $\vdash$  | +        | +        | ╅        | $\dashv$  |  |   |  |
| 39<br>40 | Н  | 4        | - | L  |            | $\Box$   |              |                |       |          | 89       |          | $\Box$    | $\Box$         | 4              | $\Box$   | 1            | 7        | 1           |             |          |  | 139         | 1             |          |          | □         |          | 士        | 土        | J         |  |   |  |
| 41       | Н  | ╁        | ╈ | ┢  | Н          | $\vdash$ | $\dashv$     | Н              |       | -        | 90<br>91 | $\dashv$ | $\dashv$  | -              | -              | 4        | +            | +        | +           | -           | F        |  | 140<br>141  | +             | $\bot$   | $\sqcup$ | $\dashv$  |          | 4        | 4        | 4         |  |   |  |
| 42       |  |          | İ | 匚  |            |          |              |                |       |          | 92       |          | ┪         | ┪              | $\dashv$       | +        | ╅            | +        | +           | $\dashv$    | $\vdash$ |  | 142         |               | ╁        | Н        | Н         | -+       | ╅        | ┽        | -         |  |   |  |
| 43       | $\Box$   | 4        | 1 | L  | Ц          |          |              |                |       |          | 93       |          |           |                | $\Box$         | $\Box$   | $\downarrow$ | I        | 1           | ]           | L        |  | 143         | 土             |          |          | $\exists$ | 寸        | 士        | 士        | 1         |  |   |  |
| 44       | $\vdash$                                       | -        | + | -  | Н          | Н        | $\dashv$     | $\dashv$       |       |          | 94<br>95 | -        | 4         | 4              | 4              | 4        | +            | 4        | 4           | 4           | L        |  | 144         | $\perp$       | $\bot$   |          | $\dashv$  | 4        | $\Box$   | Ţ        | ]         |  |   |  |
| 46       |  | $\pm$    |   | ┢  | Н          | H        | 7            | ㅓ              | ı     |          | 96       |          | $\dashv$  | $\dashv$       | $\dashv$       | ┪        | -            | +        | ╁           | $\dashv$    | $\vdash$ |  | 145<br>146  | +             | ┿        | Н        | $\dashv$  | -        | +        | +        | 4         |  |   |  |
| 47       | П  | T        | T | П  | П          | 口        | $\Box$       |                | ļ     |          | 97       | $\Box$   |           |                | I              | 丁        | 士            | 士        | 1           |             |          |  | 147         | 士             | 士        | Н        | $\dashv$  | +        | $\dashv$ | +        | $\dashv$  |  |   |  |
| 48       | $\dashv$                                       | +        | + | Н  | Н          | $\dashv$ | 4            | $\dashv$       | }     |          | 98<br>99 | 4        | 4         | 4              | 4              | 4        | 4            | 1        | 4           | $\Box$      |          |  | 148         | Ţ             |          |          |           | $\Box$   | $\dashv$ | 工        | コ         |  |   |  |
| 50       |  | $\perp$  | + | Н  |            | -        | ┪            | ᅥ              | ŀ     |          | 100      | $\dashv$ | ┪         | ┪              | $\dashv$       | +        | $\dashv$     | ╁        | +           | -           | $\vdash$ |  | 149.<br>150 | ╁             | +        | Н        | $\dashv$  | $\dashv$ | +        | +        | $\dashv$  |  |   |  |
|          |  |          |   |    |            |          |              | _              | •     |          |          |          |           |                |                | 1        | _            |          |             |             | _        |  |             |               |          | ـــا     |           |          |          |          |           |  |   |  |

Application No.

Index of Claims

Applicant(s)